## MA3XD11

## Silicon epitaxial planar type

#### For high frequency rectification

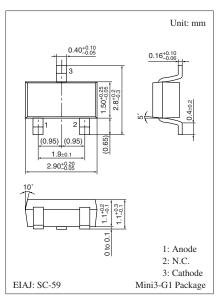
#### ■ Features

- Forward current (Average)  $I_{F(AV)} = 1$  A rectification is possible
- ullet Low forward voltage  $V_F$

### $\blacksquare$ Absolute Maximum Ratings $T_a = 25^{\circ}C$

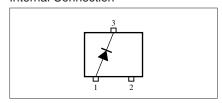
Parameter	Symbol	Rating	Unit
Reverse voltage	$V_R$	20	V
Repetitive peak reverse voltage	V <sub>RRM</sub>	25	V
Forward current (Average) *1	I <sub>F(AV)</sub>	1.0	A
Non-repetitive peak forward surge current *2	$I_{FSM}$	3	A
Junction temperature	T <sub>j</sub>	125	°C
Storage temperature	T <sub>stg</sub>	-55 to +125	°C

Note) \*1: Mounted on an alumina PC board



Marking Symbol: M6K

#### Internal Connection



### ■ Electrical Characteristics $T_a = 25$ °C $\pm 3$ °C

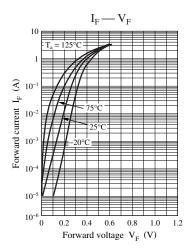
Parameter	Symbol	Conditions	Min	Тур	Max	Unit
Forward voltage	$V_F$	$I_F = 1.0 A$			0.45	V
Reverse current	$I_R$	$V_R = 20 \text{ V}$			200	μΑ
Terminal capacitance	C <sub>t</sub>	$V_R = 0 \text{ V}, \text{ f} = 1 \text{ MHz}$		180		pF

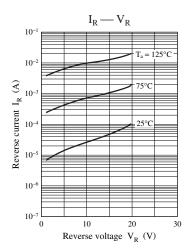
Note) 1. Measuring methods are based on JAPANESE INDUSTRIAL STANDARD JIS C 7031 measuring methods for diodes.

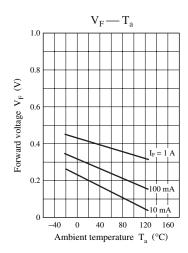
- 2. This product is sensitive to electric shock (static electricity, etc.). Due attention must be paid on the charge of a human body and the leakage of current from the operating equipment.
- 3. Absolute frequency of input and output is 400 MHz.

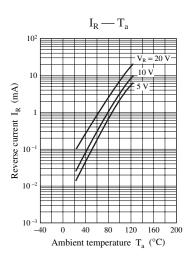
<sup>\*2:</sup> The peak-to-peak value in one cycle of 50 Hz sine wave (non-repetitive)

## **Panasonic**









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